

1 **1.** A method comprising:
 2 populating a cache with a resource only when at least i requests for said resource have been
 3 received;

4 wherein at least occasionally i is an integer greater than one.

1 **2.** The method of claim 1 wherein the value of i is invariant.

1 **3.** The method of claim 1 wherein the value of i is based on calendrical time.

1 **4.** The method of claim 1 wherein said cache is populated with said resource only when at
 2 least i requests for said resource have been received within an elapsed time interval, Δt .

1 **5.** The method of claim 4 wherein the duration of said elapsed time interval, Δt , is based on
 2 the value of i .

1 **6.** The method of claim 4 wherein the value of i is based on calendrical time.

1 **7.** The method of claim 4 wherein the duration of said elapsed time interval, Δt , is based on
 2 calendrical time.

1 **8.** A data processing system comprising:
 2 a cache for storing a resource; and
 3 a processor for populating said cache with said resource only when at least i requests for said
 4 resource have been received;
 5 wherein i is an integer greater than one.

1 **9.** The data processing system of claim 8 wherein the value of i is invariant.

1 **10.** The data processing system of claim 8 wherein the value of i is based on calendrical time.

1 **11.** The data processing system of claim 8 wherein said cache is populated with said resource
 2 only when at least i requests for said resource have been received within an elapsed time interval, Δt .

1 **12.** The data processing system of claim 8 wherein the duration of said elapsed time interval,
 2 Δt , is based on the value of i .

1 **13.** The data processing system of claim 8 wherein the value of i is based on calendrical time.

1 **14.** The data processing system of claim 8 wherein the duration of said elapsed time interval,
 2 Δt , is based on calendrical time.

1 **15.** A method comprising:
 2 receiving at a first node in a computer network at least one request for a resource;
 3 retrieving said resource from a second node in said computer network; and
 4 populating a cache in said first node with said resource only when at least i requests for said
 5 resource have been received at said first node;
 6 wherein i is an integer greater than one.

1 **16.** The method of claim 15 wherein the value of i is invariant.

1 **17.** The method of claim 15 wherein the value of i is based on calendrical time.

1 **18.** The method of claim 15 wherein said cache is populated with said resource only when at
 2 least i requests for said resource have been received within an elapsed time interval, Δt .

1 **19.** The method of claim 18 wherein the duration of said elapsed time interval, Δt , is based on
 2 the value of i .

1 **20.** The method of claim 18 wherein the value of i is based on calendrical time.

1 **21.** The method of claim 18 wherein the duration of said elapsed time interval, Δt , is based on
 2 calendrical time.

1 **22.** The method of claim 15:
 2 wherein said computer network is a hierarchical computer network and said first node has m
 3 filial nodes;
 4 wherein said cache is populated with said resource only when at least one request for said
 5 resource has been received from at least n of said m filial nodes; and
 6 wherein m is an integer greater than one, n is an integer greater than one, and $m \geq n$.

1 **23.** The method of claim 15:
 2 wherein said computer network is a hierarchical computer network and said first node has m
 3 filial nodes;
 4 wherein said cache is populated with said resource only when at least one request for said
 5 resource has been received from at least n of said m filial nodes within an elapsed time interval, Δt ;
 6 and
 7 wherein m is an integer greater than one, n is an integer greater than one, and $m \geq n$.

1 **24.** A first node in a computer network, said first node comprising:
 2 a cache;
 3 at least one receiver for receiving at least one request for a resource; and
 4 a processor for retrieving said resource from a second node in said computer network, and for
 5 populating said cache in said first node with said resource only when at least i requests for said
 6 resource have been received at said first node;
 7 wherein i is an integer greater than one.

1 **25.** The first node of claim 24 wherein the value of i is invariant.

1 **26.** The first node of claim 24 wherein the value of i is based on calendrical time.

1 **27.** The first node of claim 24 wherein said cache is populated with said resource only when
 2 at least i requests for said resource have been received within an elapsed time interval, Δt .

1 **28.** The first node of claim 27 wherein the duration of said elapsed time interval, Δt , is based
 2 on the value of i .

1 **29.** The first node of claim 27 wherein the value of i is based on calendrical time.

1 **30.** The first node of claim 27 wherein the duration of said elapsed time interval, Δt , is based
 2 on calendrical time.

1 **31.** The first node of claim 24:
 2 wherein said computer network is a hierarchical computer network and said first node has m
 3 filial nodes;
 4 wherein said cache is populated with said resource only when at least one request for said
 5 resource has been received from at least n of said m filial nodes; and
 6 wherein m is an integer greater than one, n is an integer greater than one, and $m \geq n$.

1 **32.** The first node of claim 24:
 2 wherein said computer network is a hierarchical computer network and said first node has m
 3 filial nodes;
 4 wherein said cache is populated with said resource only when at least one request for said
 5 resource has been received from at least n of said m filial nodes within an elapsed time interval, Δt ;
 6 and
 7 wherein m is an integer greater than one, n is an integer greater than one, and $m \geq n$.